

SEQUENCE LISTING

<110> Huse, William D.  
Watkins, Jeffry D.

<120> Tumor Specific Human Monoclonal Antibodies and Methods  
of Use

<130> P-IX 2947

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<170> PatentIn Ver. 2.0

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1 5 10 15

gtc ctg tcc cag gtg cag cta cag cag tgg ggc gca gga ctg ttg aag 96  
Val Leu Ser Gln Val Gln Leu Gln Trp Gly Ala Gly Leu Leu Lys  
20 25 30

cct tcg gag acc ctg tcc ctc acc tgc gct gtc tat ggt ggg tcc ttc 144  
Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe  
35 40 45

agt ggt tac tac tgg agc tgg atc cgc cag ccc cca ggg aag ggg ctg 192  
Ser Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu  
50 55 60

gag tgg att ggg gaa atc aat cat agt gga agc acc aac tac aac ccg 240

Glu	Trp	Ile	Gly	Glu	Ile	Asn	His	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	
65				70					75				80			
tcc	ctc	aag	agt	cga	gtc	acc	ata	tca	gta	gac	acg	tcc	aag	aac	cag	288
Ser	Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	
							85			90			95			
ttc	tcc	ctg	aag	ctg	agc	tct	gtg	acc	gcc	gcg	gac	acg	gct	gtg	tat	336
Phe	Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	
							100			105			110			
tac	tgt	gcg	aga	gaa	ata	gca	gct	cgt	cct	cac	cga	tac	ttt	gac	tac	384
Tyr	Cys	Ala	Arg	Glu	Ile	Ala	Ala	Arg	Pro	His	Arg	Tyr	Phe	Asp	Tyr	
							115			120			125			
tgg	ggc	cag	gga	acc	ctg	gtc	acc	gtc	tcc	tca						417
Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser						
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Val	Leu	Ser	Gln	Val	Gln	Leu	Gln	Gln	Trp	Gly	Ala	Gly	Leu	Leu	Lys	
				20					25			30				
Pro	Ser	Glu	Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Tyr	Gly	Gly	Ser	Phe	
				35				40			45					
Ser	Gly	Tyr	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	
				50				55			60					
Glu	Trp	Ile	Gly	Glu	Ile	Asn	His	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	
65				70					75				80			
Ser	Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	
							85			90			95			
Phe	Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	
							100			105			110			
Tyr	Cys	Ala	Arg	Glu	Ile	Ala	Ala	Arg	Pro	His	Arg	Tyr	Phe	Asp	Tyr	

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gcc acc ctg tct gtg tct cca ggg gaa aga gcc acc ctc tcc tgc agg 96  
Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg  
20 25 30

gcc agt cag agt gtt agc agc aac tta gcc tgg tac cag cag aaa cct 144  
Ala Ser Gln Ser Val Ser Ser Asn Leu Ala Trp Tyr Gln Gln Lys Pro  
35 40 45

ggc cag gct ccc agg ctc ctc atc tat ggt gca tcc acc agg gcc act 192  
Gly Gln Ala Pro Arg Leu Leu Tyr Gly Ala Ser Thr Arg Ala Thr  
50 55 60

ggc atc cca gcc agg ttc agt ggc agt ggg tct ggg aca gag ttc act 240  
Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Thr Glu Phe Thr  
65 70 75 80

ctc acc atc agc agc ctg cag tct gaa gat ttt gca gtt tat tac tgt 288  
Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys  
85 90 95

cag cag tat aat aac tgg cct ccg tac act ttt ggc cag ggg acc aag 336  
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ctg gag atc aaa cga  
Leu Glu Ile Lys Arg  
115

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20 25 30

Ala Ser Gln Ser Val Ser Ser Asn Leu Ala Trp Tyr Gln Gln Lys Pro  
35 40 45

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Thr Arg Ala Thr  
50 55 60

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr  
65 70 75 80

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys  
85 90 95

Gln Gln Tyr Asn Asn Trp Pro Pro Tyr Thr Phe Gly Gln Gly Thr Lys  
100 105 110

Leu Glu Ile Lys Arg  
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tcg gtg aag gtc tcc tgc aag gct tct gga ggc acc ttc agc agc tat				96
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr				
20	25	30		
gct atc agc tgg gtg cga cag gcc cct gga caa ggg ctt gag tgg atg				144
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met				
35	40	45		
gga ggg atc atc cct atc ttt ggt aca gca aac tac gca cag aag ttc				192
Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe				
50	55	60		
cag ggc aga gtc acg att acc gcg gac gaa tcc acg agc aca gcc tac				240
Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr				
65	70	75	80	
atg gag ctg agc agc ctg aga tct gag gac acg gcc gtg tat tac tgt				288
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys				
85	90	95		
gcg aga gaa gat agc agt ggc tgg tat cac tac tgg ggc cag gga acc				336
Ala Arg Glu Asp Ser Ser Gly Trp Tyr His Tyr Trp Gly Gln Gly Thr				
100	105	110		
ctg gtc acc gtc tcc tca				354
Leu Val Thr Val Ser Ser				
115				

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Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met			
35	40	45	

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe			
50	55	60	

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
65                   70                   75                   80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85                   90                   95

Ala Arg Glu Asp Ser Ser Gly Trp Tyr His Tyr Trp Gly Gln Gly Thr  
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aca gtc agg atc aca tgc caa gga gac agc ctc aga agc tat tat gca   96  
Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala  
20               25               30

agc tgg tac cag cag aag cca gga cag gcc cct gta ctt gtc atc tat   144  
Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
35               40               45

ggt aaa aac aac cgg ccc tca ggg atc cca gac cga ttc tct ggc tcc   192  
Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
50               55               60

agc tca gga aac aca gct tcc ttg acc atc act ggg gct cag gcg gaa   240  
Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
65               70               75               80

gat gag gct gac tat tac tgt aac tcc cgg gac agc agt ggt aac ccc   288  
Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn Pro  
85               90               95

gtg gta ttc ggc gga ggg acc aag ctg acc gtc cta ggt cag ccc  
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       20                 25                 30  
  
 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr  
       35                 40                 45  
  
 Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser  
       50                 55                 60  
  
 Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu  
       65                 70                 75                 80  
  
 Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn Pro  
       85                 90                 95  
  
 Val Val Phe Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro  
       100                 105                 110